SYSTEM AND METHOD FOR DETERMINING NEAREST NEIGHBOR INFORMATION

ABSTRACT OF THE DISCLOSURE

A communications network is disclosed in which network nodes transmit messages between each other in order to determine which nodes are physically linked. The messages include information identifying the sending node and port. As messages are received by nodes, the information within the messages is logged. The logged information is collected by an administrator. The administrator uses the collected data to determine a network topography. The network topographies may be used to determine failures within the network.